

Name: _____

Date: _____

Period: _____

Solving Multi-Step Equations Test Form BScore: _____ = _____ %
36

Solve each equation. Show ALL of your work and circle your answer. If the equation is an identity, write *identity*. If it has no solution, write *no solution*.

Solve. (3 points each - 1pt for work, 1 pt for correct answer, 1 pt for checking)	
Solve	Check
$3x - 7 = 20$	
$6n + 24 = -3(2 - 4n)$	
$8j + 4 = 2(4j + 2)$	
$16 = -(p - 2)$	

$$2(n - 2) = 6n + 4 - 4n$$

$$3(1 - y) = 3y + 21$$

$$7y + 10 - 2y = -25$$

You work for a delivery service. With Plan A, you can earn \$5 plus \$.75 per delivery. With Plan B, you can earn \$7 plus \$.25 per delivery. How many deliveries must you make per hour with Plan A to earn as much as with Plan B?

(5 points – 2 for work, 1 for defining variables, 1 for equation, 1 for solution)

Variables:

Equation:

Solve:

Solution:

A DVD club charges a monthly membership fee of \$4.95 and \$11.95 per DVD purchased. If a customer's bill for the month was \$64.70, how many DVDs did the customer purchase?

(5 points – 2 for work, 1 for defining variables, 1 for equation, 1 for solution)

Variables:

Equation:

Solve:

Solution:

A rectangular pool is twice as long as it is wide. What are the dimensions of the pool if the perimeter is 42 yd? **(5 points)**

Math Honor Code: Please copy this statement below, then sign your name.

My signature certifies that this is my work. I did not give or receive help on it.

X_____